

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A system of automated network device discovery, comprising:

a storage device; and

a discovery module, configured to issue a series of relayed single-destination simple network management protocol (SNMP) requests to a plurality of network devices to acquire a plurality of Cisco discovery protocol (CDP) neighbor device data, generate a plurality of network device inventory records corresponding to the CDP neighbor device data, and store the network device inventory records to the storage device[.];

wherein the discovery module further stores the CDP neighbor device data which is newly discovered to a queue and pops the CDP neighbor device data out of the queue for successive CDP neighbor device discovery.

2. (Cancelled)

3. (Currently Amended) The system of claim [[2]] 1 wherein the CDP neighbor device identity is popped out of the queue on a first-in-first-out (FIFO) basis.

4. (Original) The system of claim 1 further comprising a display module, providing a graphical user interface (GUI) to facilitate selecting and browsing the network device inventory records.

5. (Original) The system of claim 1 wherein the network device stores a management interface base (MIB) file containing the CDP neighbor device data.

6. (Currently Amended) The system of claim [[2]] 1 wherein the network device stores a management interface base (MIB) file containing the CDP neighbor device data.

7. (Original) The system of claim 3 wherein the network device stores a management interface base (MIB) file containing the CDP neighbor device data.

8. (Currently Amended) A method of automated network device discovery, the method comprising using a computer to perform the steps of:

issuing a series of relayed single-destination simple network management protocol (SNMP) requests to a plurality of network devices to acquire a plurality of Cisco discovery protocol (CDP) neighbor device data; and generating a plurality of network device inventory records corresponding to the CDP neighbor data[.];

wherein the CDP neighbor device data is stored in a queue and popped out of the queue for successive CDP neighbor device discovery.

9. (Cancelled)

10. (Currently Amended) The method of Claim [[9]] 8 wherein the CDP neighbor device data is popped out of the queue on a first-in-first-out (FIFO) basis.

11. (Original) The method of claim 8 wherein the CDP neighbor device data is stored by a management interface base (MIB) file in the network device.

12. (Currently Amended) The method of claim [[9]] 8 wherein the CDP neighbor device data is stored by a management interface base (MIB) file in the network device.

13. (Original) The method of claim 10 wherein the CDP neighbor device data is stored by a management interface base (MIB) file in the network device.

14. (Currently Amended) A machine-readable storage medium for storing a computer program which when executed performs a method of automated network device discovery, the method comprising the steps of:

issuing a series of relayed single-destination simple network management protocol (SNMP) requests to a plurality of network devices to acquire a plurality of Cisco discovery protocol (CDP) neighbor device data; and
generating a plurality of network device inventory records corresponding to the CDP neighbor data[.];

wherein the CDP neighbor device data is stored in a queue and popped out of the queue for successive CDP neighbor device discovery.

15. (Cancelled)

16. (Currently Amended) The machine-readable storage medium of claim [[15]] 14 wherein the CDP neighbor device data is popped out of the queue on a first-in-first-out (FIFO) basis.

17. (Original) The machine-readable storage medium of claim 14 wherein the CDP neighbor device data is stored by a management interface base (MIB) file in the network device.

18. (Currently Amended) The machine-readable storage medium of claim [[15]] 14 wherein the CDP neighbor device data is stored by a management interface base (MIB) file in the network device.

19. (Original) The machine-readable storage medium of claim 16 wherein the CDP neighbor device data is stored by a management interface base (MIB) file in the network device.